

CLAIMS

1. An elevator control device, comprising:
 - a processing portion for controlling an operation of an elevator based on a clock signal; and
 - a detection portion for detecting a condition of the clock signal counted within a preset period of time to issue an instruction related to the operation of the elevator to the processing portion based on the condition of the clock signal detected.
2. The elevator control device according to claim 1, wherein the detection portion issues an instruction to the processing portion to stop the operation of the elevator when detecting an abnormality based on detection of the condition of the clock signal.
3. The elevator control device according to claim 1, wherein the detection portion issues an instruction to the processing portion to stop the driving portion of the elevator when detecting an abnormality based on detection of the condition of the clock signal.
4. The elevator control device according to claim 1, wherein the detection portion issues an instruction to the processing portion to cause the brake device to carry out control operation of the elevator when detecting an abnormality based on detection of the

condition of the clock signal.

5. The elevator control device according to claim 1, wherein the detection portion compares the number of edges of the clock signal with the preset number of edges when detecting the condition of the clock signal counted within the preset period of time.

6. The elevator control device according to claim 5, wherein the preset number of edges can be changed to an arbitrary value.

7. An elevator control device, comprising:

a processing portion for controlling an operation of an elevator based on a clock signal;

a counter portion for counting the number of edges of the clock signal within a present period of time;

a setting portion for setting the number of edges of the clock signal as a reference to be used for detecting a condition of the clock signal; and

a detection portion for comparing the number of edges counted by the counter portion with the number of edges set in the setting portion to detect the condition of the clock signal to issue an instruction related to the operation of the elevator to the processing portion in accordance with the condition of the clock signal detected.

8. An elevator control method, comprising:

a control step for controlling an operation of an elevator based on a clock signal;

a detection step for detecting a condition of the clock signal counted within a preset period of time; and

an instruction step for issuing an instruction related to the operation of the elevator based on results detected through the detection step.

9. The elevator control method according to claim 8, wherein when it is detected through the detection step that the condition of the clock signal is abnormal, an instruction to stop the operation of the elevator is issued through the instruction step.

10. The elevator control method according to claim 8, wherein when it is detected through the detection step that the condition of the clock signal is abnormal, an instruction to stop the driving portion of the elevator is issued through the instruction step.

11. The elevator control method according to claim 8, wherein when it is detected through the detection step that the condition of the clock signal is abnormal, an instruction to cause the brake portion to carry out control operation of the elevator is issued through the instruction step.

12. The elevator control method according to claim 8, wherein the number of edges of the clock signal counted within the preset period of time is compared with the preset number of edges through the detection step.

13. The elevator control method according to claim 12, further comprising a setting step for setting the preset number of edges to an arbitrary value.